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(21) International Application Number: PCT/IL97/00180 (22) International Filing Date: 4 June 1997 (04.06.97) (30) Priority Data: 118570 4 June 1996 (04.06.96) IL (71) Applicant (for all designated States except US): YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM [IL/IL]; Jabotinsky Street 46, 91042 Jerusalem (IL). (72) Inventors; and (75) Inventors/Applicants (for US only): YARKONI, Shai [IL/IL]; Halamed Heh Street 33, 44395 Kfar Saba (IL). NECHUSH-TAN, Amotz [IL/IL]; Habanim Street 31, 47223 Ramat Hasharon (IL). LORBERBOUM-GALSKI, Haya [IL/IL]; Bar Kochva Street 72/3, 97875 Jerusalem (IL). MARI-ANOVSKI, Irina [IL/IL]; Medical School of Hadasa, Dept. of Cellular Biochemistry, Ein Karem, 91120 Jerusalem (IL). (74) Agent: NOAM, Meir; P.O. Box 32081, 91320 Jerusalem (IL).		(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>Without international search report and to be republished upon receipt of that report.</i>
(54) Title: CHIMERIC TOXINS FOR TARGETED THERAPY (57) Abstract <p>The present invention relates particularly to neoplastic cells targeted chimeric toxins comprising of cell targeting moieties and cell killing moieties for recognizing and for destroying the neoplastic cells, wherein the cell targeting moieties consist of gonadotropin releasing hormone homologues and the cell killing moieties consist of Pseudomonas Exotoxin A. The present invention further relates to pharmaceutical compositions containing as an active ingredient these neoplastic cells targeted chimeric toxins and to a method for the production of these chimeric toxins. The said invention also relates to a method for cancer therapy, treating malignant carcinoma cells and benign hyperplasia including uterine lyomyoma cells, extra uterian endometrial island cells, benign hyperplasia of prostate and breast and pituitary tumor adenoma cells, by the use of the above-mentioned chimeric toxins.</p>		